Industrial Systems Technology AAS Degree (IS13)
Offered at the Currahee Campus

Entrance Dates: Fall, Spring, Summer
Length of Program: 5 Terms
Credit Hours Required for Graduation: 64

Purpose: The Industrial Systems Technology degree program prepares students for a career as an industrial systems technician/electrician. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skill. The degree program teaches skills in Industrial Systems Technology providing background skills in several areas of industrial maintenance including electronics, industrial wiring, motors, controls, PLC’s, instrumentation, fluid power, mechanical, pumps and piping, and computers. Graduates of the program receive an Industrial Systems Technology degree that qualifies them for employment as industrial electricians or industrial systems technicians.

Admission Requirements:
- Age 16 or older
- High school diploma or GED
- Completion of application process including placement test; or provide SAT or ACT scores less than five years old

Program Courses

General Core Courses

Area I  Language Arts/Communication
ENGL 1101 Composition and Rhetoric (required) 3

Area II  Social/Behavioral Sciences

Area III  Natural Sciences/Mathematics (one of the following MATH’s is required)
MATH 1101 Mathematical Modeling 3
OR
MATH 1111 College Algebra (3)
OR
MATH 1127 Introduction to Statistics (3)

Area IV  Humanities/Fine Arts

General Education Elective from any area 3

Occupational Courses
COLL 1010 College and Career Success Skills 3
IDSY 1101 DC Circuit Analysis 3
IDSY 1105 AC Circuit Analysis 3
IDSY 1110 Industrial Motor Controls I 5
IDSY 1120 Basic Industrial PLC’s 5
IDSY 1130 Industrial Wiring 5
IDSY 1170 Industrial Mechanics 5
IDSY 1190 Fluid Power Systems 5

Occupational Electives 15

Estimated cost of books and supplies for full program is approximately $2,000.
Industrial Systems Technology Diploma (IST4)
Offered at the Currahee Campus

Entrance Dates: Fall, Spring, Summer
Length of Program: 4 Terms
Credit Hours Required for Graduation: 55

Purpose: The Industrial Systems Technology diploma program prepares students for a career as an industrial systems technician/electrician. The program provides learning opportunities that introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to retrain or upgrade present knowledge and skill. The diploma program teaches skills in Industrial Systems Technology providing background skills in several areas of industrial maintenance including electronics, industrial wiring, motors, controls, PLC's, instrumentation, fluid power, mechanical, pumps and piping, and computers. Graduates of the program receive an Industrial Systems Technology diploma that qualifies them for employment as industrial electricians or industrial systems technicians. Upon completion of this diploma, graduates will also receive an Industrial Electrician certificate, an Industrial Fluid Power Technician certificate, an Industrial Motor Control Technician certificate and a Process Control Technician I certificate.

Admission Requirements:
- Age 16 or older
- High school diploma or GED
- Completion of application process including placement test; or provide SAT or ACT scores less than five years old

Program Courses

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<thead>
<tr>
<th>Basic Skills Courses</th>
<th>Credits</th>
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<tr>
<td>COLL 1010 COL 1010</td>
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<td>ENGL 1010 ENGL 1012</td>
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<tr>
<td>MATH 1012 MATH 1013</td>
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<td>OR MATH 1013</td>
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<tr>
<th>Occupational Courses</th>
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<tr>
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Occupational Electives: 15

Estimated cost of books and supplies for full program is approximately $1,600.